

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re: Chen, et al. Confirmation No.: Unknown  
Appl. No.: Not Yet Assigned Art Unit: Unknown  
Filed: Concurrently Herewith Examiner: Unknown  
For: COMPOSITE STACKING SEQUENCE OPTIMIZATION  
FOR MULTI-ZONED COMPOSITES

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT  
CITATION UNDER 37 C.F.R. § 1.97**

Sir:

Attached is a list of documents on form PTO-1449. In accordance with the Office waiver published July 11, 2003, copies of the cited U.S. patents and patent application publications are not enclosed. Applicant does enclose copies of any cited foreign patent documents and non-patent literature in accordance with 37 CFR 1.98(a)(2).

It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

Respectfully submitted,



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Substitute for form 1449/PTO (Revised 04/2003)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	Not Yet Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Bing
				Group Art Unit	Unknown
				Examiner Name	Unknown
Sheet	1	of	2	Attorney Docket Number	038190/269367

#### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
	1	US-4,534,813	08/13/1985	Williamson et al.	
	2	US-4,646,251	02/24/1987	Hayes et al.	
	3	US-4,849,913	07/18/1989	Ward, et al.	
	4	US-4,937,768	06/26/1990	Carver et al.	
	5	US-4,945,488	07/31/1990	Carver et al.	
	6	US-5,006,990	04/09/1991	Ward et al.	
	7	US-5,023,800	06/11/1991	Carver et al.	
	8	US-5,033,014	07/16/1991	Carver et al.	
	9	US-5,038,291	08/06/1991	Wang et al.	
	10	US-5,119,309	06/02/1992	Cavendish et al.	
	11	US-5,197,013	03/23/1993	Dundorf	
	12	US-5,419,231	05/30/1995	Earle, III et al.	
	13	US-5,636,338	06/03/1997	Moreton	
	14	US-5,729,463	03/17/1998	Koenig et al.	
	15	US-5,936,861	08/10/1999	Jang et al	
	16	US-5,984,511	11/16/1999	Vasey-Glandon et al.	
	17	US-6,341,261	01/22/2002	Vasey-Glandon et al.	
	18	US-6,490,496	12/03/2002	Dacey	

#### FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached
Examiner Signature				Date Considered		

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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				First Named Inventor	Bing	
				Group Art Unit	Unknown	
				Examiner Name	Unknown	
Sheet	2	of	2	Attorney Docket Number	038190/269367	
<b>OTHER DOCUMENTS</b>						
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				English Language Translation Attached
	19	Chris Waldhart, "Analysis of Tow-Placed, Variable-Stiffness Laminates," Mater's Thesis, Virginia Polytechnic Institute, June 5, 1996, pgs. 1-35.				
	20	Brian Tatting and Zafer Gurdal, "Design and Manufacture of Tow-placed Variable Stiffness Composite Laminates with Manufacturing Considerations," 13 <sup>th</sup> US National Congress of Applied Mechanics, June 25, 1998.				
	21	Patrick Morelle and R. Radovcic, "CAD Based Optimization of Composite Structures," Proceedings of Sixth Int. Conference on OPT, March 16-18, 1999, pgs. 311-320.				
	22	Jani J. Shah, Mary T. Rogers, Palat C. Sreevalsan, David W. Hsiao, Abraham Mathew, Anant Bhatnagar, Bongee B. Liou and David W. Miller, "The A.S.U. Features Testbed: An Overview," Arizona St. Univ. pgs. 233-241.				
Examiner Signature					Date Considered	

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